Intermediate pandemic forecast for Taiwan M: multi-output M: multi-output M: repeated single-output (deaths, worldwide) (deaths + Google mobility) (deaths) per million of population Prediction Prediction Prediction 0.3 0.3 0.3 Truth Truth Truth Death incidence 0.2 0.2 0.2 0.1 0.1 0.1 0.0 0.0 0.0 -0.10.10.110 20 30 20 10 20 10 30 30 Days since November 15 2020 Days since November 15 2020 Days since November 15 2020 B: LSTM (deaths) B: Bi-LSTM (deaths) B: GRU (deaths) per million of population Prediction Prediction Prediction 0.3 0.3 0.3 Truth Truth Truth Death incidence 0.2 0.2 0.2 0.1 0.1 0.1 0.0 0.0 0.0 -0.1-0.1-0.1 20 30 30 20 20 10 10 10 30 Days since November 15 2020 Days since November 15 2020 Days since November 15 2020 B: ARIMA wavelet **B**: Persistence Prediction Prediction per million of population 0.3 0.3 Truth Truth Death incidence 0.2 0.2 0.1 0.1 0.0 0.0 -0.1-0.1 10 20 30 10 20 0 30

Days since November 15 2020

Days since November 15 2020